IAP7 Rec'd PCT/PTO 61 JUN 2006

PTO-1390 (Rev. 07-2005) Approved for use through 03/31/2007. OMB 0651-0021

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TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

ATTORNEY'S DOCKET NUMBER 5259-000065/US/NP

U.S. APPLICATION NO - (ff known-see 37 CFR 1.5) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371 INTERNATIONAL APPLICATION NO. INTERNATIONAL FILING DATE DATE CLAIMED PCT/JP2005/011135 17 June 2005 23 June 2004 TITLE OF INVENTION INLINE REPEATER AND OPTICAL FIBER COMMUNICATION SYSTEM APPLICANT(S) FOR DO/EO/US Hiroji MASUDA et al. Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: 1. x This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. X The US has been elected (Article 31). A copy of the International Application as filed (35 U.S.C. 371 (c)(2)) is attached hereto (required only if not communicated by the International Bureau). **b**. l has been communicated by the International Bureau. C. is not required, as the application was filed in the United States Receiving Office (RO/US). An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). is attached hereto. has been previously submitted under 35 U.S.C. 154(d)(4). Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) a are attached hereto (required only if not communicated by the International Bureau). have been communicated by the International Bureau. C. have not been made; however, the time limit for making such amendments has NOT expired. d. have not been made and will not be made. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). Х An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). Items 11 to 20 below concern document(s) or information included: An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. A preliminary amendment. 14. x An Application Data Sheet under 37 CFR 1.76. 15. A substitute specification. 16. A power of attorney and/or change of address letter. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825. A second copy of the published International Application under 35 U.S.C. 154(d)(4). 18 19. A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).

AP20 Rec'd PCT/PTO 01 JUN 2006 (Rev. 07-2005)

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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. U.S. APPLICATION NO (II Known, see 37 CFR) INTERNATIONAL APPLICATION NO. ATTORNEY'S DOCKET NUMBER PCT/JP2005/011135 5259-000065/US/NP Other items or information: Certificate of Express Mailing (Label EV 805534689 US Check in the amount of \$1,950.00 English translation of formal drawing showing Figs. 1-24 (20 pages) IDS (Citation) by Application citing 29 refs (26 encl) w/ISR (in English) Copy of Published International Application WO 2006/001229 A1 Return Receipt Postcard The following fees have been submitted **CALCULATIONS** PTO USEONLY 21. x 300.00 Examination fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)...... \$ 200.00 All other situations Search fee (37 CFR 1.492(b)) 400.00 \$ All other situations.... TOTAL OF 21, 22 and 23 = \$ 900.00 Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)).

The fee is \$250 for each additional 50 sheets of paper or fraction thereof. **Total Sheets** Extra Sheets Number of each additional 50 or fraction RATE thereof (round up to a whole number) - 100 = /50 = x \$250.00 \$ Surcharge of \$130 for furnishing any of the search fee, examination fee, or the oath or declaration \$ after the date of commencement of the national stage (37 CFR 1.492(h)). CLAIMS NUMBER FILED NUMBER EXTRA RATE Total claims 33 - 20 = 13 Х 650.00 50.00 Independent claims 1 - 3 = Х 0.00 MULTIPLE DEPENDENT CLAIM(S) (if applicable) 360.00 360.00 TOTAL OF ABOVE CALCULATIONS = 1.910.00 Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2. SUBTOTAL = \$ 1,910.00 Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest \$ claimed priority date (37 CFR 1.492(i)). **TOTAL NATIONAL FEE =** \$ 1,910.00 Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property \$ 40.00 \$ **TOTAL FEES ENCLOSED =** \$ 1,950.00 Amount to be \$ refunded: Amount to be \$ charged



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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. A check in the amount of \$ 1,950.00 to cover the above fees is enclosed. 08-0750 in the amount of \$ Please charge my Deposit Account No. to cover the above fees. A duplicate copy of this sheet is enclosed. x The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit 08-0750 . A duplicate copy of this sheet is enclosed. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038 NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status. SEND ALL CORRESPONDENCE TO: Gregory A. Stobbs Harness, Dickey & Pierce P.O. Box 828 Bloomfield Hills, Michigan 48303 Gregory A. Stobbs **United States** NAME 28,764 CUSTOMER NUMBER: 27572 REGISTRATION NUMBER GAS/dI DATED: June 1, 2006

Application No. US National Phase of PCT/JP2005/011135

Attorney Docket No.: 5259-000065/US/NP

Certificate of Express Mailing Under 37 CFR 1.10

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail, Airbill No. EV 805534689 US in an envelope addressed to:

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on _	June 1, 2006	
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Treym Stole	B
Signatu	re
Gregory A. S	Stobbs
Typed or printed name of pe	rson signing Certificate
28,764	(248) 641-1214
Registration Number, if applicable	Telephone Number

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- Certificate of Express Mailing (Label EV 805534689 US) (1 page)
- 2. Check in the amount of \$1,950.00
- Transmittal Letter to the United States Designated-Elected Office (3 pages, in duplicate)
- 4. Application Data Sheet (3 pages)
- English language translation of the International application (39 pages)
- 6. English translation of formal drawing showing Figs. 1-24 (20 pages)
- Signed Declaration and POA (3 pages)
- 8. First Preliminary Amendment (7 pages)
- 9. Signed Assignment and Recordation Cover Sheet (2 pages)
- 10. Information Disclosure Statement (2 pages)
- IDS (Citation) by Applicant citing 29 References (26 encl) w/ISR (in English)
- 12. Copy of Published International Application WO 2006/001229 A1
- 13. Return Receipt Postcard